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Publication Number: 06448381

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. 6,448,381 B1
 DATED September 10, 2002
 INVENTOR(S) Deuel, Thomas, F. et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [54], Title should be replaced with -- **DNA ENCODING HEPARIN BINDING GROWTH FACTORS.** --

Column 1.

Line 55, delete “.” which appears after “;” and before “Zhan.”

Column 5.

Line 9, nucleotide 314, should be changed from “d” to -- G. --

Line 62, “the extra space which appears after “ity” should be removed.

Column 10.

Line 6, add -- . -- between “7.0” and “About.”

Tahle II, “HBGF8” should be replaced with -- 95% GLY-LYS-LYS-GLU-LYS-PRO-GLU-LYS-LYS-VAL-LYS-LYS-SER-ASP-CYS-GLY-GLU-TRP-GLN-TRP-SER-VAL-CYS-VAL-PRO. --

Line 57, add a space after “5299” and before “(1979)”.

Column 12.

Line 50, the sequence of claim 2 should read:

GTCAAAGGCA	GGATCAGGTT	CCCCGCCCTCC	CAGTCCAAAA	ATCCCGCCAA	50
GAGAGCCCCA	GAGCAGAGGA	AAATCCAAAG	TGGAGAGAGG	GGAAGAAAGA	100
GACCAAGTGA	TCATCCGTCC	AGAAGGCCGG	GAGAGCAGCA	GCGGCCCAAG	150
CAGGAGCTGC	AGCGAGCCGG	GTACCTGGAC	TCAGCGGTAG	CAACCTGCC	200
CCTTGCAACA	AAGGCAGACT	GAGCAGCCAGA	GAGGACGTTT	CCAACTCAA	250
AATGCAGGCT	CAACAGTACC	AGCAGCAGCG	TCGAAATTTC	GCAGCTGCC	300
TCTTGGCATT	CATTTTCATA	CTGGCAGCTG	TGGATACTGC	TGAAGCAGGG	350
AAGAAAGAGA	AACCAGAAAA	AAAAGTGAAG	AAGTCTGACT	GTGGAGAATG	400
GCAGTGGAGT	GTGTGTGTC	CCACCAAGTGG	AGACTGTGGG	CTGGGCACAC	450
GGGAGGGCAC	TCGGACTGGA	GCTGAGTCCA	AGCAAACCAT	GAAGACCCAG	500

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Column 12 (cont'd).

AGATGTAAGA	TCCCTGCAA	CTGGAAAGAAG	CAATTGGCG	CGGAGTGCAA	550
ATACCAGTTC	CAGGCCTGGG	GAGAATGTGA	CCTGAACACA	GCCCTGAAGA	600
CCAGAACTGG	AAGTCTGAAG	CGAGCCCTGC	ACAATGCCGA	ATGCCAGAAG	650
ACTGTCACCA	CTCCCAAGCC	CTGTGGAAA	CTGACCAAGC	CCAAACCTCA	700
AGCAGAACATCT	AAGAAGAAGA	AAAAGGAAGG	CAAGAAACAG	GAGAAGATGC	750
TGGATTAAAA	GATGTCACCT	GTGGAACATA	AAAAGGACAT	CAGCAAACAG	800
GATCAGTTAA	CTATTGCATT	TATATGTACC	GTAGGCTTTG	TATTCAAAAA	850
TTATCTATAG	CTAAGTACAC	AATAAGCAAA	AACAAAAAGA	AAAAAAAAAA	900
AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	950
AAAAAAAAAA	A				961

Signed and Sealed this

Fifteenth Day of June, 2004

JON W. DUDAS
Acting Director of the United States Patent and Trademark Office